

|    |    |    |    |    |    |     |     |
|----|----|----|----|----|----|-----|-----|
| CP | 64 | 64 | 64 | 64 | CP | 128 | 128 |
|----|----|----|----|----|----|-----|-----|

FIG.1  
(PRIOR ART)

|    |     |     |
|----|-----|-----|
| CP | 128 | 128 |
|----|-----|-----|

FIG.2  
(PRIOR ART)

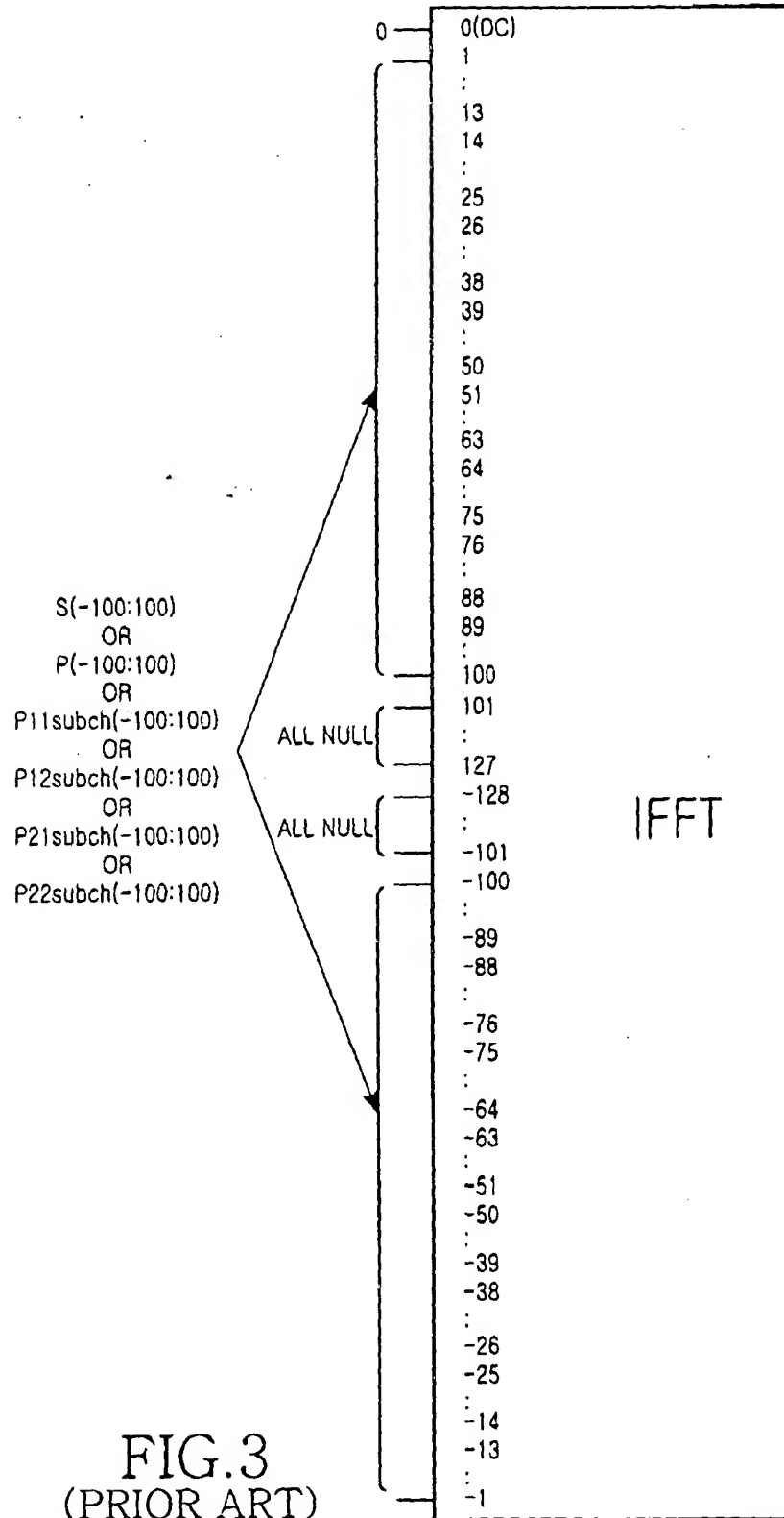


FIG.3  
(PRIOR ART)

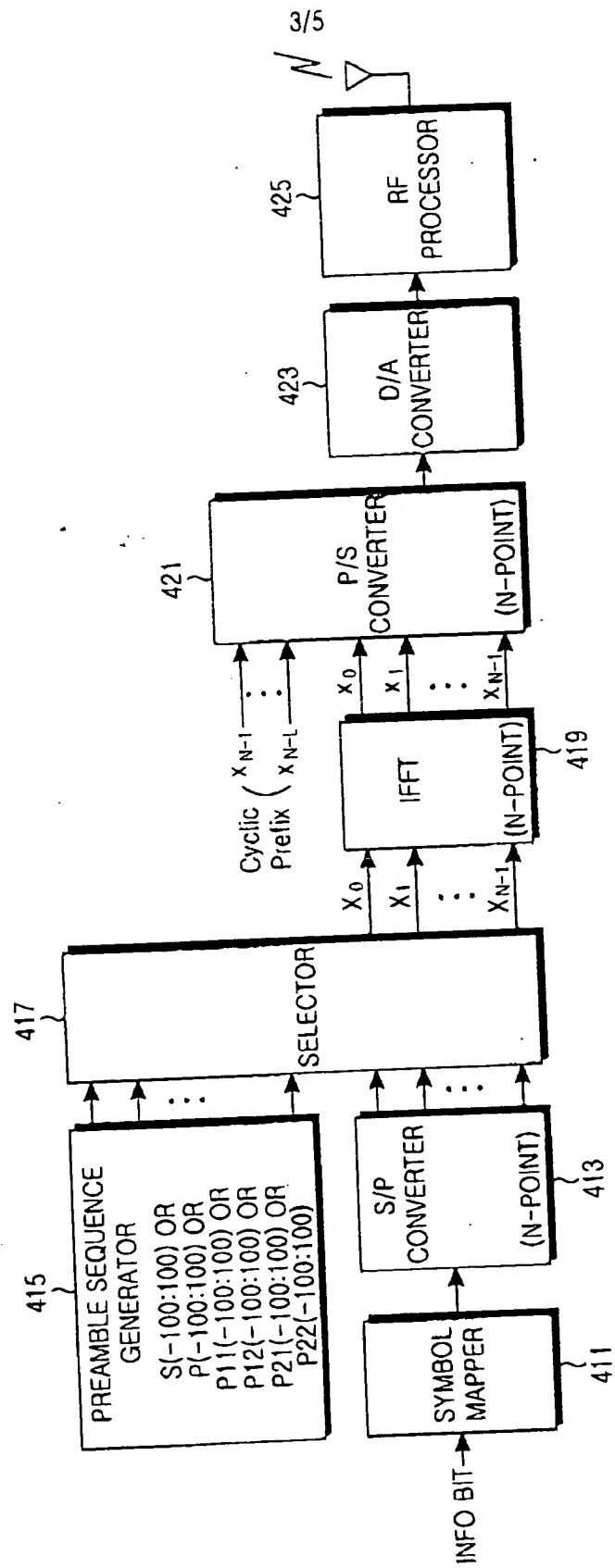


FIG. 4

1. WHEN ALL SUBCHANNELS ARE USED,  
P(-100:100) IS INSERTED

2. WHEN ONLY ONE SUBCHANNEL IS  
USED, DATA IS INSERTED INTO ONLY  
CORRESPONDING SUBCHANNELS IN  
P111subch(-100:100) OR  
P112subch(-100:100) OR  
P113subch(-100:100) OR  
P114subch(-100:100) OR  
P211subch(-100:100) OR  
P212subch(-100:100) OR  
P213subch(-100:100) OR  
P214subch(-100:100),  
AND NULL DATA IS INSERTED  
INTO REMAINING SUBCHANNELS

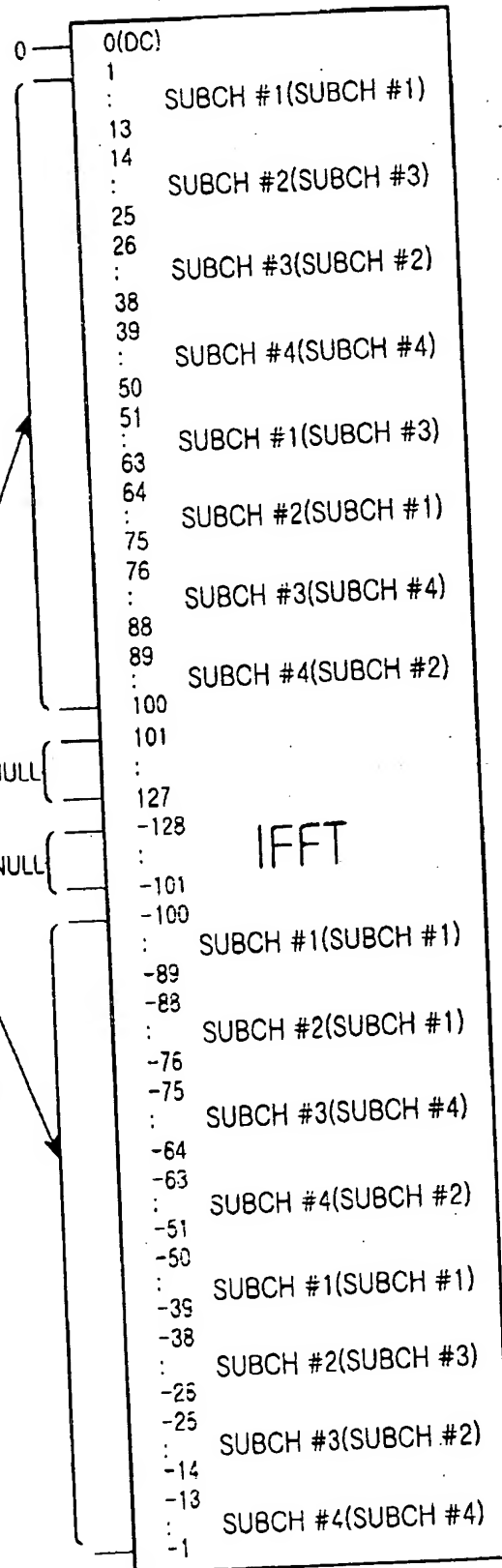
3. WHEN ONLY TWO SUBCHANNELS ARE  
USED, DATA IS INSERTED INTO ONLY  
CORRESPONDING SUBCHANNELS IN  
P12(1+3)subch(-100:100) OR  
P12(2+4)subch(-100:100) OR  
P21(2+4)subch(-100:100) OR  
P22(3+4)subch(-100:100),  
AND NULL DATA IS INSERTED  
INTO REMAINING SUBCHANNELS

ALL NULL

ALL NULL

IFFT

FIG.5



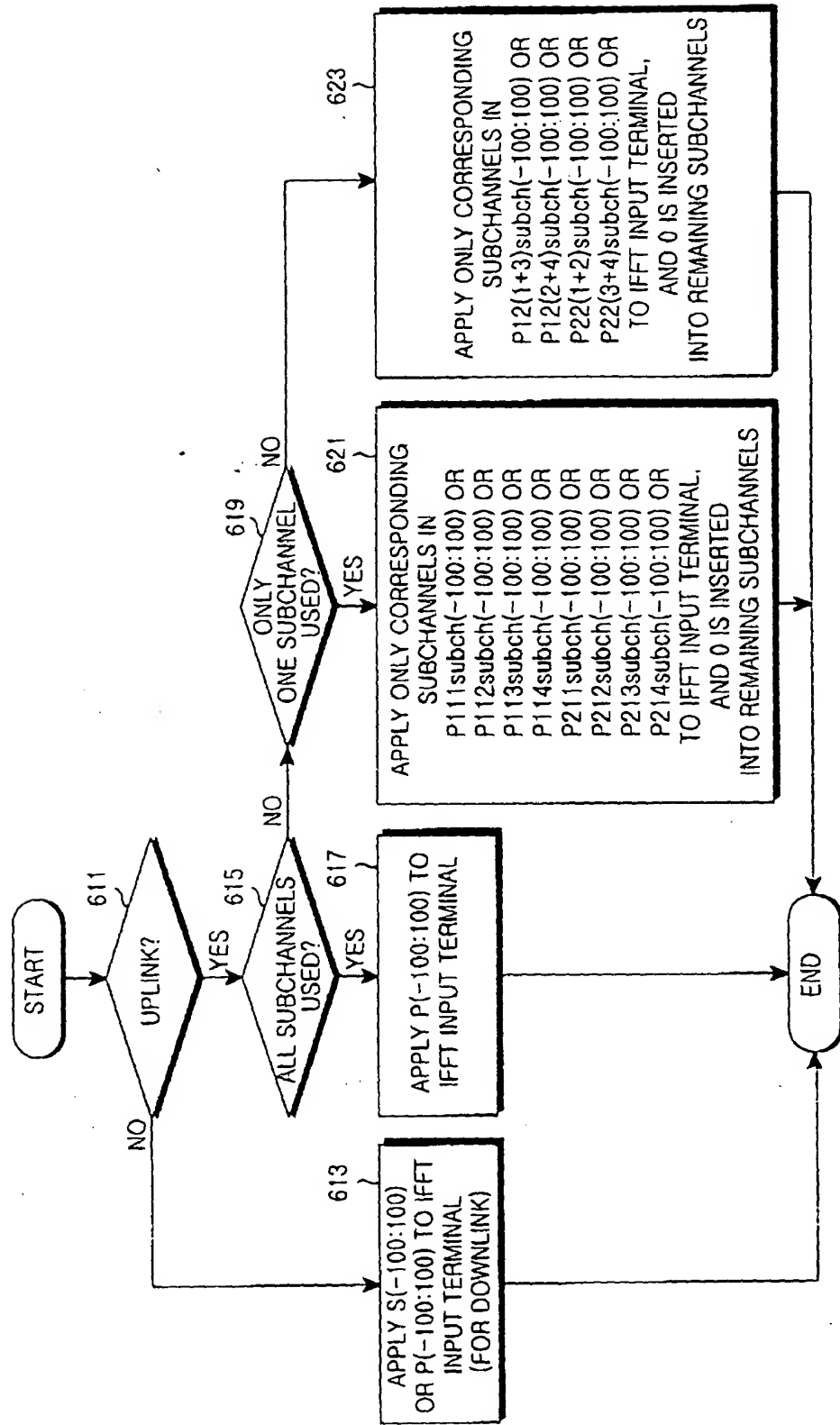


FIG. 6